

# Traumatic Brain Injury -- Hospital Discharges

# 2012

## MASSACHUSETTS RESIDENTS

INJURY CAUSE	INJURY INTENT					Total Number	Percent of Total	Crude Rate per 100,000 <sup>2</sup>
	Uninten- tional	Intentional		Undeter- mined	Other & Legal <sup>1</sup>			
		Self- Inflicted	Assault					
Cut/pierce	<7	0	13	0	0	14	0.2	0.2
Drowning/submersion	<7	0	0	0		<7	0.0	--
Fall	3748	<7	<7	<7		3,759	62.5	56.6
Firearm	0	<7	7	<7	0	12	0.2	0.2
Machinery	9					9	0.1	0.1
Natural/environmental	14	0		0	0	14	0.2	0.2
Poisoning	11	<7	0	<7	0	19	0.3	0.3
Struck-by/against object	182		218		<7	401	6.7	6.0
Transport Injuries:	1,171	<7	<7	0	0	1,175	19.5	17.7
<i>Motor vehicle traffic-related</i>	962	<7	<7	0		966	16.1	14.5
<i>Occupant</i>	575					575	9.6	8.7
<i>Motorcyclist</i>	123					123	2.0	1.9
<i>Pedal Cyclist</i>	54					54	0.9	0.8
<i>Pedestrian</i>	194					194	3.2	2.9
<i>Other person</i>	<7					<7	0.0	--
<i>Unspecified person</i>	13					13	0.2	0.2
<i>Pedal cyclist, other</i>	111					111	1.8	1.7
<i>Pedestrian, other</i>	7					7	0.1	0.1
<i>Other transport</i>	91					91	1.5	1.4
All Other/Unspecified	129	16	82	10	0	237	3.9	3.6
Adverse Effects						109	1.8	1.6
Cause/intent not provided						267	4.4	4.0
<b>TOTALS<sup>4</sup></b>	<b>5,267</b>	<b>35</b>	<b>324</b>	<b>15</b>	<b>&lt;7</b>	<b>6,018</b>	<b>100.0</b>	<b>90.5</b>
<b>RATE BY INTENT/per 100,000</b>	<b>79.2</b>	<b>0.5</b>	<b>4.9</b>	<b>0.2</b>	<b>--</b>	<b>n/a</b>	<b>n/a</b>	<b>n/a</b>

**Source:** Massachusetts Inpatient Hospital Discharge Database, Center for Health Information and Analysis (CHIA)

\*All CHIA data sets are based on a fiscal year. The numbers provided here are based on fiscal year: October 1, 2011 - September 30, 2012 and will be different than numbers generated through the Department's query based system MassCHIP.

<sup>1</sup> Legal Intervention includes injuries resulting from police actions and operations of war.

<sup>2</sup> Counts less than 7 are suppressed and rates are not calculated. Rates that are based on counts less than twenty may be unstable.

<sup>3</sup> Adverse Effects can be related to medical and surgical care procedures, or to the use of therapeutic substances (including allergic reactions).

<sup>4</sup> Totals do not include subcategory counts. Total percentage may be less or more than 100% due to rounding, but is presented here as 100%.

—An injury hospitalization is defined as any case having an ICD9-CM Nature of Injury Code of 800-999 assigned to any of the ICD9 diagnosis fields [cases having the following codes are excluded if no other valid ICD9-CM code is assigned: Certain Adverse Effects (995.0-995.4, 995.6, 995.7, 995.86, 995.89), Complications of Surgical & Medical Care (996-999), and certain Late Effects (909.3, 909.5)]

—Categories and groupings are based on the CDC's "Recommended framework of E-code groupings for presenting injury mortality and morbidity data." This framework does not provide for intentionality for certain cause categories as indicated by gray shading.

—Injury subcategories are italicized.

—Injury hospitalization cases transferred to another acute care facility or subsequently dying in the hospital, are excluded from this analysis.

—MA population data (6,646,144) used to calculate rates are based on 2012 population estimates by the US Census Bureau. Rates are per 100,000 residents.

—Data were extracted and compiled by the Injury Surveillance Program, Bureau of Health Information, Statistics, Research & Evaluation, MDPH, August 2013.